

ABSTRACT

A meter register includes a register body having a rotatable drive shaft coupled thereto. A drive gear is attached to the drive shaft and at least one follower gear is rotatably attached to the register body and coupled with the drive gear. An antenna is provided that includes a first electrically conductive sheet, a second electrically conductive sheet, and an axially extending leg electrically connected to the first electrically conductive sheet and the second electrically conductive sheet. A first electrically conductive sheet is spaced an axial distance away from the second electrically conductive sheet wherein at least a portion of the register body is sandwiched between the first electrically conductive sheet and the second electrically conductive sheet. The meter register can be attached to a meter body and, further, an auxiliary antenna can be attached to the meter register. Also disclosed is a method of operation of a utility measuring system that incorporates the above-described meter register.

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